Ontario

Northern Highways Program
2008 to 2012

Sioux Narrows Bridge (front cover)
The Sioux Narrows Bridge, on Highway 71 in Nestor Falls, after replacement. The new Bridge incorporates salvaged wood from the original bridge and emulates the appearance of the old structure, to maintain the historical and cultural significance of this landmark.

New structure at Matachewan

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A sustainable transportation system is one that recognizes and supports our current needs while balancing social, economic and environmental considerations.

Overview

Record Highway Investments Improve Northern Infrastructure

A vast and ruggedly beautiful land, Northern Ontario comprises about 90 per cent of Ontario's landmass. More than half of northern citizens live in the five major cities of Thunder Bay, Sault Ste. Marie, Timmins, Sudbury, and North Bay. The balance lives in smaller communities and rural areas. Where considerable distances often separate communities, highways are a critical economic lifeline supporting the movement of people, raw materials and finished products in and out of the North.

Almost 11,000 kilometres in length, the Northern Ontario highway network represents about 65 per cent of the total provincial system, roughly equal to the distance from Toronto to Whitehorse and back. Northern highways provide vital links between northern and southern Ontario, between eastern and western Canada, as well as to and from the United States.

2007 Northern Ontario Accomplishments	
Building of new highways	37 km
Building of new bridges	16
Repairing highways	339 km
Repairing bridges	31

Strengthening the North and its Communities

The crucial role that highways play in supporting a strong North is understood and appreciated by the Government of Ontario. The Ministry of Northern Development and Mines (MNDM) allocates funding through the Northern Highways Program to develop and maintain the necessary highway infrastructure that will promote economic growth, sustain an evolving industrial base, and meet the social needs of northern residents. Together with the Ministry of Transportation (MTO), MNDM sets out program priorities for the repair and expansion of the northern highway network. MTO delivers the construction program and maintains the network.

This document provides the most recent annual update of the five-year construction program for northern highways, keeping northerners informed of where and when highways will be improved. The Northern Ontario Highways Strategy was published in 2005 in conjunction with the provincial infrastructure plan, ReNew Ontario, which set out a $1.8-billion program for the renewal and expansion of northern highways over five years. Original program targets such as the completion of the four-laning of Highway 11 to North Bay by 2012 and Highway 69 to Sudbury by 2017 remain on track today.

In the past four years, the Northern Highways Program has invested a record total of $1.377 billion in repair, expansion and safety improvement projects. Travelers on Northern Ontario's highways have benefited from the expanded roads, improved surfaces, increased passing lanes, and numerous other improvements. This year, Ontario again demonstrates its support and confidence in the North by investing a record $546 million in the Northern Highways Program.

The Ontario government recognizes the importance of bridges to the Northern transportation network as they are an integral part of the highway system to connect communities and provide access to economic opportunities. That is why the government is investing an additional $164 million over five years for bridge repair and replacement in Northern Ontario – with $11 million expected to be invested in 2008 as part of the Northern Highways Program.

Ontario is currently working with northerners to develop a Growth Plan for Northern Ontario to focus on achieving more sustained economic growth for the North. An integral part of the plan will be continued investments in northern highway infrastructure to improve safety, spur economic growth, create jobs and keep people and goods moving.

2007 Highlights & Completed Construction

In 2007, the Ontario government invested $468 million to expand and repair Northern Ontario highways. Some of the highway projects completed in 2007 are highlighted on the following pages. A list of all major northern highway projects completed last year has also been included for reference.

2007 SHOWCASE PROJECT:

Replacement of Sioux Narrows Bridge, Highway 71

Sioux Narrows, a natural narrows on Lake of the Woods, attributes its name to a legendary battle between the Sioux and Ojibwa Nations at this location hundreds of years ago. The Sioux Narrows Bridge is a prominent physical landmark and has great heritage value to the local community. At 64 metres (210 feet), the Sioux Narrows Bridge was the longest, single-span wooden bridge worldwide until 2003, when construction of the new bridge began.

First built in 1936 as a timber truss bridge, the Sioux Narrows Bridge had reached the end of its life span and was replaced through a multi-year project with a steel girder structure that was opened to traffic in 2007.

To address local cultural, heritage and aesthetic concerns, the new bridge was designed to maintain its historic appearance, landmark qualities and unique community identity.

To emulate the original truss appearance, the original wood truss timbers were salvaged for re-use in the new structure. The new bridge features original timbers and new engineered-wood timbers laminated onto the new steel truss superstructure.

Replacement of the bridge will maintain traffic flow along a key northwestern route for tourism and resource industries.

Old bridge and detour

New bridge under construction

Truss construction

2007 Highlights & Completed Construction

New Highway 11/17

This past year saw the opening of the new 11/17 Highway, a brand new 13 km long, two-lane section of highway from the Thunder Bay Expressway/Harbour Expressway intersection to 10th Side Road. Construction also included: a new CPR overpass bridge; intersections at Highway 11/17/Vibert Road North, Twin City Crossroads, and Mapleward Road; and municipal road realignments at Vibert Road and Pole Line Road. This Trans Canada Highway project started in 2004 and was partly funded by the federal government through the Strategic Highway Infrastructure Program.

The existing Highway 11/17 alignment (Arthur Street) through Thunder Bay had been facing increasing traffic and operational problems, which should be greatly improved with the construction of this new link.

Thunder Bay-Kenora Safety Initiatives

As part of the Enhanced Action Plan, rock was removed at locations along Highway 17 that have been identified as high-risk rock fall hazards.

Rock removal will improve highway safety and reduce maintenance demands. Surplus rock will also generate some of the materials required for the highway realignment and structure replacement at the Hawk Lake Subway, thus reducing costs.

Resurfacing of Highway 105, Ear Falls Northerly

Over 28 km of Highway 105 was resurfaced to improve pavement condition, providing a smoother driving surface. Work also included: widening lanes; paving shoulders; improving drainage; reducing frost heaves; and making other operational improvements. Pavement was recycled during resurfacing, saving time, and reducing costs and construction equipment emissions.

Paving underway

Highway 17 rock removal

Paving train

2007 Highlights & Completed Construction

Resurfacing of Highway 631, North of Hornepayne

Resurfacing of 31 km Highway 631 was completed this past year, through a recycled paving project. This work restores the riding quality of the pavement and supports the highway's function as a transportation link between White River, Hornepayne and Hearst.

Resurfacing and Bridgework Highway 17, West of Mattawa

Resurfacing and bridgework to improve overall safety and operational characteristics was completed along 26 km of Highway 17, from west of Highway 531 to east of Highway 630. Resurfacing to improve the pavement condition and ride quality used a method to recycle existing pavement. Improvements to rock cuts and drainage were part of construction.

Bridgework included rehabilitation of Sharpes Creek Bridge, Amable du Fond River Bridge, Pautois Creek Bridge, and Blueseal Creek Culvert and replacement of the Pimisi Bay Culvert. The contract included environmental measures for fish habitat.

Rehabilitation of Highway 144, North of Gogama

Rehabilitation of 28.1 km of Highway 144 was completed last year. Work on this section of Highway 144 was required to repair an aged road surface, thus maintaining road infrastructure and improving drive quality. Existing pavement was recycled during roadwork. Construction also included improvements to roadside drainage, culverts, rock cuts and guiderails. The contract included environmental measures for fish habitat.

Highway 631, resurfaced

Bridge repairs underway

Shouldering operation underway

2007 Highlights & Completed Construction

Bridge Replacement – Highway 566, Montreal River Bridge at Matachewan

The original two-lane, timber bridge located southwest of Kirkland Lake was first constructed in 1936 and was at the end of its service life. The new structure is a steel girder bridge with concrete deck and was constructed just north of the existing crossing to eliminate sharp curves to the east of the bridge. The new structure, with enhanced durability measures, has been engineered to current code requirements for highway truck traffic, to allow greater vertical clearance under the structure, and to better withstand the force of moving ice on the river. The new bridge enables continued access for heavy vehicles for mine development and logging.

New structure at Matachewan

Four-laning of Highway 17, East of Sault Ste. Marie

Four-laning of 24 km along Highway 17 east of Sault Ste. Marie was completed and opened to traffic in 2007. The work was separated into three contracts - Bar River Road to Garden River First Nation-GRFN (7 km), Garden River First Nation (16 km) and the Trunk Road Access (1.2 km). Four-laning of this section included construction of three grade-separated crossings, two at-grade crossings and eleven bridges.

Since 1972, the provincial government had planned to four-lane a section of Highway 17 east of Sault Ste. Marie. The highway is located through the Garden River and Echo Bay communities and features reduced speed limits.

In 1994, comprehensive agreements were signed with GRFN regarding numerous land claims, including aspects of the new highway involving compensation, design, construction and maintenance. As part of the agreement, a construction company with GRFN ownership was awarded the contract to construct the highway through the First Nation lands. On June 21, 2000 a "Design-Build Agreement" was signed between MTO and Garden River Constructors. Completion of the entire project was advanced to 2007, and the highway was opened to traffic in October, 2007.

Highway 17 westbound lane

Highway 17 eastbound lane

Highway 17 west end intersection at Trunk Road

2007 Completed Expansion Projects

2007 Northeastern Ontario Completed Expansion Projects

Hwy	Location	Type of Work
17N	Trunk Access Rd. to west limit of Garden River First Nation, Sault Ste. Marie	New four-lane highway
17N	Garden River First Nation – Root River to Echo River, east of Sault Ste. Marie	New four-lane highway
17N	Echo River to Bar River Rd., Sault Ste. Marie	New four-lane highway

2007 Northwestern Ontario Completed Expansion Projects

Hwy	Location	Type of Work
11/17N	Thunder Bay Expressway westerly to 10th line (funded in part by the Strategic Highway Infrastructure Program)	New two-lane highway
17	Thunder Bay to Kenora – various locations	Safety/operational spot improvements

2007 Completed Rehabilitation Projects

2007 Northeastern Ontario Completed Rehabilitation Projects

Hwy	Location	Type of Work
11	South of Hwy 654 northerly, Callander	Reconstruction/commercial vehicle inspection station/bridge rehabilitations
11	Frederickhouse River Bridge, Cochrane	Bridge rehabilitation
11	Calamity Creek Culvert	Culvert rehabilitation
17	Hwy 531 easterly, west of Mattawa	Resurfacing/passing lane extensions/culvert rehabilitations/bridge rehabilitations
17	Catfish Creek, University Culvert, Wawa	Culvert replacements
17	Laronde Creek easterly to Gormanville Rd., North Bay	Reconstruction/culvert rehabilitation
17	Hwy 563 southerly, Batchawana Bay	Resurfacing
17	Lauzon Creek, Blind River	Culvert rehabilitation
17	Sudbury and Sault Ste. Marie areas	Variable message signs
65	East of Hwy 560, New Liskeard	Resurfacing/culvert rehabilitations/new truck layby
94	North of Hwy 654 to Hwy 17, Callandar	Resurfacing/culvert rehabilitation
144	North of Hwy 661, Gogama	Resurfacing
101 & 547	Hwy 101 from Wawa to Hwy 547; Hwy 547 from Hwy 101 northerly	Resurfacing
518	East of Hwy 400, south of Parry Sound	Advance clearing
518	Magnetawan River Bridge, Kearney	Bridge rehabilitation
522	West of Hwy 524 easterly, Commanda	Resurfacing/bridge & culvert rehabilitations
560	Hwy 11 westerly to Hwy 573, Englehart	Resurfacing, bridge rehabilitation
566	Montreal River Bridge, Matachewan	Bridge replacement
583	Hwy 11 southerly, Hearst	Resurfacing, bridge rehabilitation
624	Benson Creek, Moose Horn Creek, Englehart	Culvert replacements
631	North of Hornepayne	Resurfacing
655	North of Hwy 101, Timmins	Reconstruction/culvert rehabilitation
7045	Harmony River Bridge, north of Sault Ste. Marie	Bridge rehabilitation

2007 Completed Rehabilitation Projects

2007 Northwestern Ontario Completed Rehabilitation Projects

Hwy	Location	Type of Work
11	West of Hwy 802, Kashabowie	Resurfacing
11	East of Longlac	Reconstruction
11	Sunshine Creek Bridge, Thunder Bay	Bridge replacement
11/17	Mcintyre, Current River Bridges, Thunder Bay Expressway	Bridge rehabilitations
17	English River easterly	Resurfacing
17A	Kenora Bypass, Kenora	Resurfacing/highway lighting
61	Pigeon River Bridge, Canada/USA Border	Bridge rehabilitation
71	Sioux Narrows Bridge	Bridge replacement/resurfacing
105	Ear Falls northerly	Reconstruction
627 & 17	Pickerel River Bridge, Cypress River Bridge, Big Pickerel River Bridge, Mink Creek Culvert, west of Marathon	Bridge rehabilitations

2008 Highlights & Planned Accomplishments

In 2008, the Ontario government plans to invest $546 million to expand and repair highway infrastructure in Northern Ontario. Some of the many highway projects starting this year are highlighted in the following separate sections organized by expansion, northern safety initiatives, and rehabilitation work. These sections contain the maps and lists of all major northern highway projects underway or starting between 2008 and 2012. Major highway projects are generally greater than $1 million in value; the ministry also contracts hundreds of smaller value highway projects that are not included in this document. These projects include spot improvements, interim repairs, or minor work to improve highway operations.

Factors such as property acquisition, weather, environmental considerations and approvals, traffic staging, design changes, and unexpected field conditions can affect construction schedules. As well, all projects are subject to approvals under various pieces of legislation, including the Ontario Environmental Assessment Act. Each year the government prepares a new budget, which may impact funding. It is important to recognize that these factors may affect project timing.

2008 Northern Ontario Planned Accomplishments	
Building of new highways	14 km
Building of new bridges	23
Repairing highways	255 km
Repairing bridges	19

2008 Highlights & Planned Accomplishments

Expansion Projects:

New Four-lane Highway from Highway 69, 11 km from North of Highway 64 to Highway 637 – 6 km

As part of the ongoing Highway 69 four-laning program, construction will begin this year to build 4.6 km of new four-lane highway south of the highway 637/Killarney turnoff. This project will improve safety by bypassing the "S" curves on existing Highway 69 at Rock Bay. New bridges are being constructed over Lovering Lake Road and Lovering Creek. Three temporary tie-ins will link the new highway section to the existing Highway 69. As a response to environmental concerns, the culvert between Lovering Lake Road and Lovering Creek will be designed to accommodate small mammal and Blanding's Turtle migration routes. Completion is expected by 2009.

Expansion Projects:

New Four-lane Highway, Highway 11, from Sundridge to Katrine

The Highway 11 four-laning program continues with two new major construction projects starting this year. Construction will begin on 10.6 km of new four-lane highway from Sundridge to Burk's Falls and 9.7 km of new four-lane highway from Burk's Falls to Katrine.

The project from Sundridge to Burk's Falls will extend the Highway 11 four-laning from south of Highway 124 to Ontario St. in Burk's Falls. The project also constructs two interchanges and six new bridges including replacement of the existing bridge over Bernard Creek. The two new interchanges will be at Pevensey Road/ Stirling Creek Road and at Black Creek Road/ Robins Road. Completion is expected by 2011.

The project from Burk's Falls to Katrine will extend the Highway 11 four-laning from north of Highway 518 to Ferguson Rd in Burk's Falls. The project also constructs an interchange at Three Mile Lake Road in Katrine and completes the interchange at Hwy 520. Four new bridges are also included in the contract. Completion is expected by 2011.

Northern Safety Initiatives:

Work began in 2007 to provide specific safety improvements on Highway 17 from Thunder Bay to Kenora, and will be further enhanced over the next several years as a result of additional funding approved in the 2008 Provincial Budget.

With the success of the initial safety initiative projects on Highway 17 in the northwest, the program will be extended over the next several years on major highway corridors throughout Northern Ontario, specifically on Highway 17 from Thunder Bay to White River and from Massey to Mattawa as well as on Highway 11 from North Bay to west of Hearst.

These improvements include safety-related items such as: rest stops; additional safety message signage including electronic and changeable message signs; new passing lanes and passing lane extensions; intersection improvements; curve improvements; runaway truck ramp in North Bay; and a pedestrian bridge, also in North Bay.

2008 Highlights & Planned Accomplishments

Rehabilitation Projects:

Bridge Replacement, Highway 11, West of Hearst, Kabinakagami River

Work begins this year to replace the Kabinakagami River Bridge, originally built in 1942, and now at the end of its service life. The existing bridge will be replaced with a new structure at a new location south of the existing bridge. Relocating the bridge is the most cost effective solution, keeping the crossing open to traffic throughout the replacement period without detours or temporary structures. Completion is expected in 2009.

Rehabilitation Projects:

Bridge Replacement, Highway 11, West of Hearst, Pagwachuan River

The Pagwachuan River Bridge, located between Hearst and Longlac, is at the end of its service life. The two-lane steel truss bridge will be replaced at the existing site and a detour bridge will be constructed to ensure continuous traffic flow. No entry will be permitted during construction to an area within the project limits that contains rare aboriginal cultural assets. Completion is expected by 2009.

Rehabilitation Projects:

Resurfacing and Bridge Replacement, Highway 11, North of Englehart

Construction is slated to start this year to resurface 21 km of Highway 11 beginning in Englehart, and to replace the Aidie Creek Bridge, now at the end of its service life. Existing asphalt will be recycled. Planned repairs include treatment of frost heaves, rock excavation at specific locations, drainage and culvert improvements, guiderail improvements, and installation of lighting at the Park Road intersection. This project will improve the operational performance and safety of Highway 11, a major arterial highway in Northern Ontario. Completion is expected by 2009.

2008 Highlights & Planned Accomplishments

Rehabilitation Projects:

Resurfacing of Highway 11 & 17, East of Nipigon

About 14 km of resurfacing along Highway 11 & 17, from the Nipigon River Bridge to the Jackfish River Bridge, will commence this year. Work also includes: a new eastbound truck climbing lane; frost heave treatments; replacement of several culverts and improvements to the Highways 11 and 17 intersection. Timing restrictions will be required to mitigate disturbance to a blue heron rookery near the project.

Work will restore the riding quality of the pavement, improve highway drainage, improve passing opportunities, enhance traffic safety and operations, and decrease maintenance demands.

Rehabilitation Projects:

Resurfacing of Highway 17, from Marathon Easterly

Almost 18 km of resurfacing along Highway 17, from Marathon easterly, is scheduled to begin in 2008. Road materials will be recycled, using various reclamation methods depending on localized pavement conditions. Work also includes the addition of a passing lane, replacement of several culverts and repaving of the Pic River Bridge.

Work will improve the quality of the driving surface, enhance safety, and improve drainage.

Rehabilitation Projects:

Rehabilitation of Noden Causeway, East of Fort Frances

When the Noden Causeway was opened in 1965, it completed Highway 11 from Rainy River to Toronto, linking Fort Frances to the rest of the country and providing new opportunities for regional growth.

Work will begin this year to repair the 552 m long Low Level Structure, one of three bridges on the Noden Causeway. Work will include installation of a new widened concrete deck and a new open steel railing system. This is the first of a number of contracts planned over the five-year program to rehabilitate the entire Noden Causeway.

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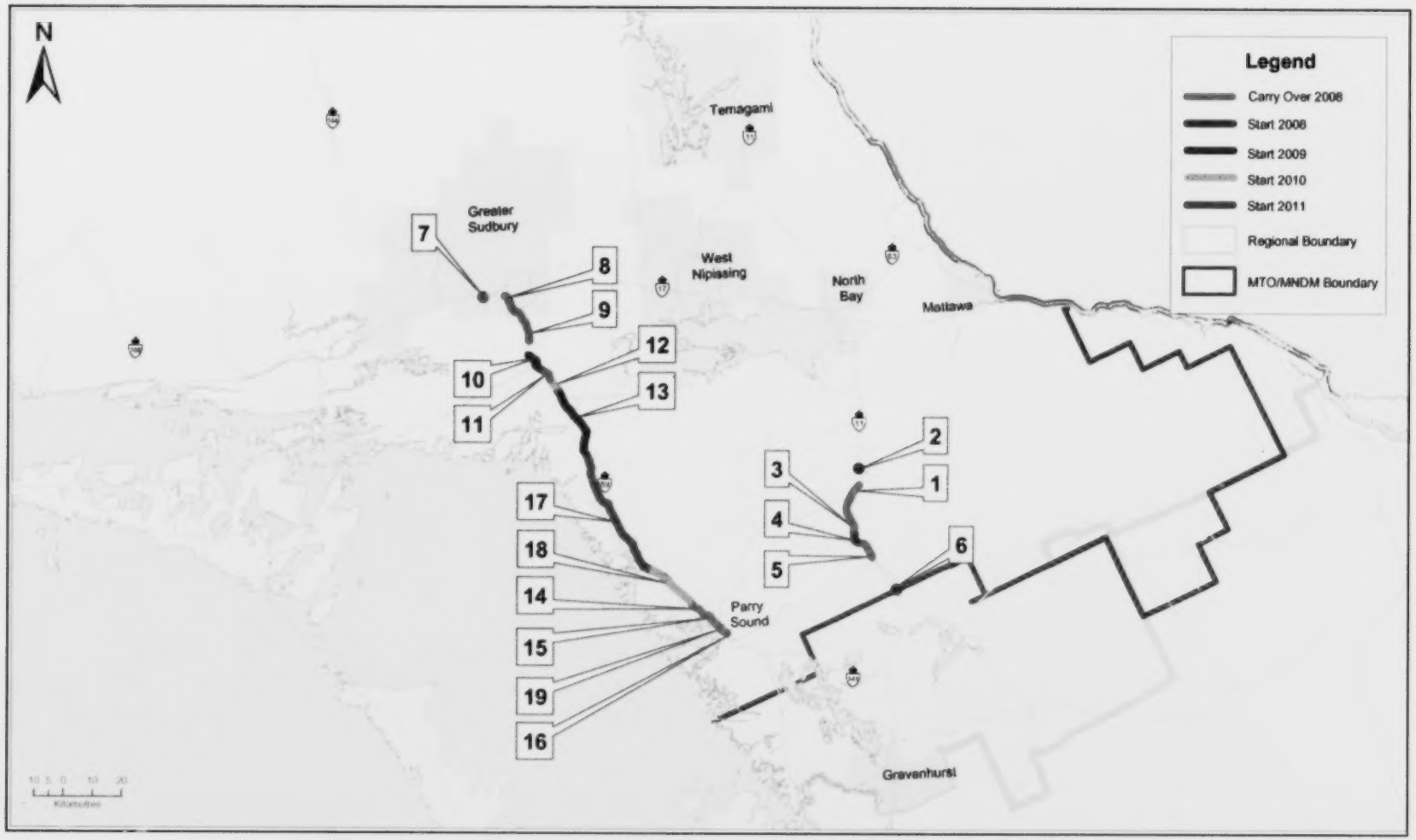
2008 Expansion Projects

Northern Ontario Expansion 2008 to 2012



2008 Expansion Projects

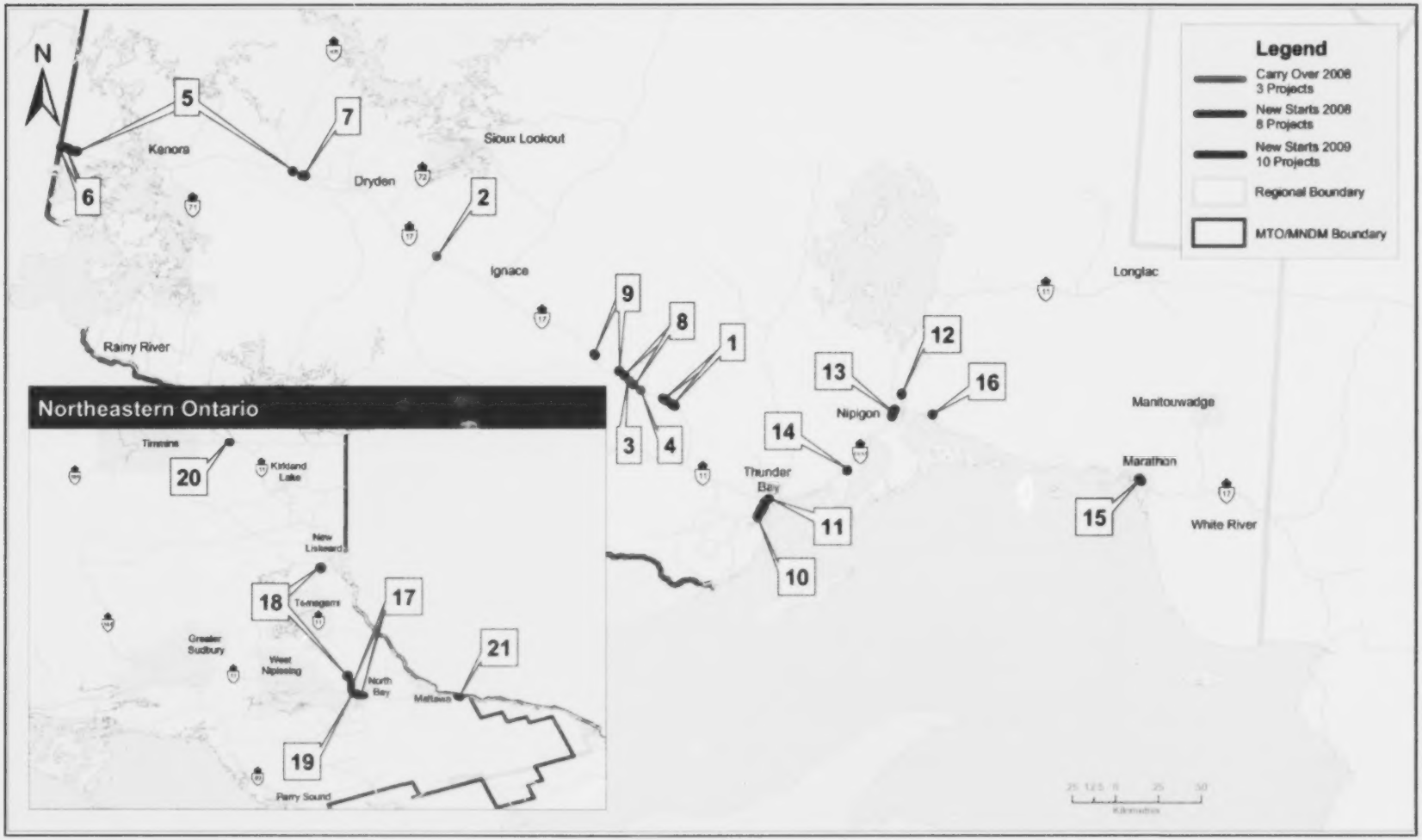
Northern Ontario Expansion 2008 to 2012

Map #	Hwy	Location	Type of Work	Planned/ Expected Start	Planned/ Expected Completion
1	11	Sundridge to South River - 17 km	New four-lane highway	underway	2011
2	11	Sundridge Patrol Yard	New patrol yard	2009	2010
3	11	Burk's Falls to Sundridge - 10 km	Four-laning/new highway	underway	2011
4	11	Burk's Falls Bypass - 5 km	Four-laning	2009	2012
5	11	Katrine to Burk's Falls Bypass - 9 km	Four-laning	underway	2010
6	11	Almaguin Highlands Information Centre	Facility relocation	2008	2009
7	17	Sudbury Bypass, Regional Rd. 80, Sudbury	New interchange	underway	2008
8	69	Hwy 537 to Sudbury, south of Sudbury - 8 km	New four-lane highway	underway	2009
9	69	Estaire to Hwy 537 - 12 km	New four-lane highway	underway	2010
10	69	Hwy 637 to Estaire - 8 km	Four-laning/new four-lane highway	2009	2012
11	69	11 km north of Hwy 64 to Hwy 637 - 6 km	Four-laning/new four-lane highway	underway	2009
12	69	3 km north of Hwy 64 northerly for 8 km	Four-laning/new four-lane highway	2010	2012
13	69	Hwy 522 to Hwy 64 - 25 km	Four-laning	2010	2017
14	69	Nobel to Hwy 559 - 5 km	Four-laning/new four-lane highway	underway	2010
15	69	Nobel Bypass - 5 km	New four-lane highway	underway	2009
16	69	Parry Sound to Nobel (Strategic Highway Infrastructure Program)	Four-laning/new four-lane highway	underway	2009
17	69	South Jct. Hwy 529 to Hwy 522 - 41 km	Four-laning	2011	2017
18	69	Hwy 559 northerly - 16 km	Four-laning	2010	2017
19	69	Parry Sound to Hwy 559 - opening	Four-laning/new four-lane highway	2011	2012

NOTE: Project timing is subject to change based on funding, planning, design, environmental approval, property acquisition and construction requirements.

Northern Safety Initiatives

Northern Ontario Safety Initiatives 2008 to 2009



Northern Safety Initiatives

Northern Ontario Safety Initiatives 2008 to 2009

Map #	Hwy	Location	Type of Work	Planned/ Expected Start	Planned/ Expected Completion
Safety Initiative: Thunder Bay to Kenora					
1	11/17	Thunder Bay to Kakabeka	Passing lanes	2009	2009
2	17	Thunder Bay to Kenora - various locations	Roadside rest stop upgrades	underway	2008
3	17	Thunder Bay to Kenora	Passing lanes/passing lane extension	underway	2008
4	17	Thunder Bay to Kenora	Spot safety and operational improvements	underway	2009
5	17	Thunder Bay to Kenora	Spot safety and operational improvements	2009	2009
6	17	Kenora to Manitoba Border	Passing lanes	2008	2008
7	17	Dryden to Vermilion Bay	Passing lane	2008	2008
8	17	Thunder Bay to Kenora	Passing lanes	2009	2010
9	17	Thunder Bay to Kenora	Passing lane extensions	2009	2010
Safety Initiative: Thunder Bay Expressway					
10	11/17	Thunder Bay Expressway	Lighting	2008	2008
11	11/17 & 61	Thunder Bay Expressway	Intersection improvements	2009	2010
Safety Initiative: Thunder Bay/Algoma - Thunder Bay to White River					
12	11	North of Nipigon	Safety improvement	2009	2009
13	11/17	Thunder Bay to Nipigon	Passing lane	2009	2009
14	11/17	Pearl Lake, west of Nipigon	Safety and operational improvements	2009	2010
15	17	Marathon to White River	Passing lane	2008	2009
16	17	Kama Hill, east of Nipigon	Falling rock protection fence	2008	2008

continued...

NOTE: Project timing is subject to change based on funding, planning, design, environmental approval, property acquisition and construction requirements.

Northern Safety Initiatives

Northern Ontario Safety Initiatives 2008 to 2009

Map #	Hwy	Location	Type of Work	Planned/ Expected Start	Planned/ Expected Completion
Safety Initiative: Nipissing Hwy 11 north of North Bay, Hwy 17 east and west of North Bay					
17	11	North of the Jct. of Hwys 11 and 17, North Bay	Runaway truck ramp	2008	2008
18	11	North Bay and Cobalt	Variable message signs	2009	2009
19	11/17	North Bay Bypass	Pedestrian underpass	2008	2008
20	11/101	West Jct. of Hwy 101 and Hwy 11 west of Matheson	Intersection improvements	2008	2008
21	17	East of Hwy 533, Mattawa	Passing lane	2009	2009

NOTE: Project timing is subject to change based on funding, planning, design, environmental approval, property acquisition and construction requirements.

Northern Safety Initiatives

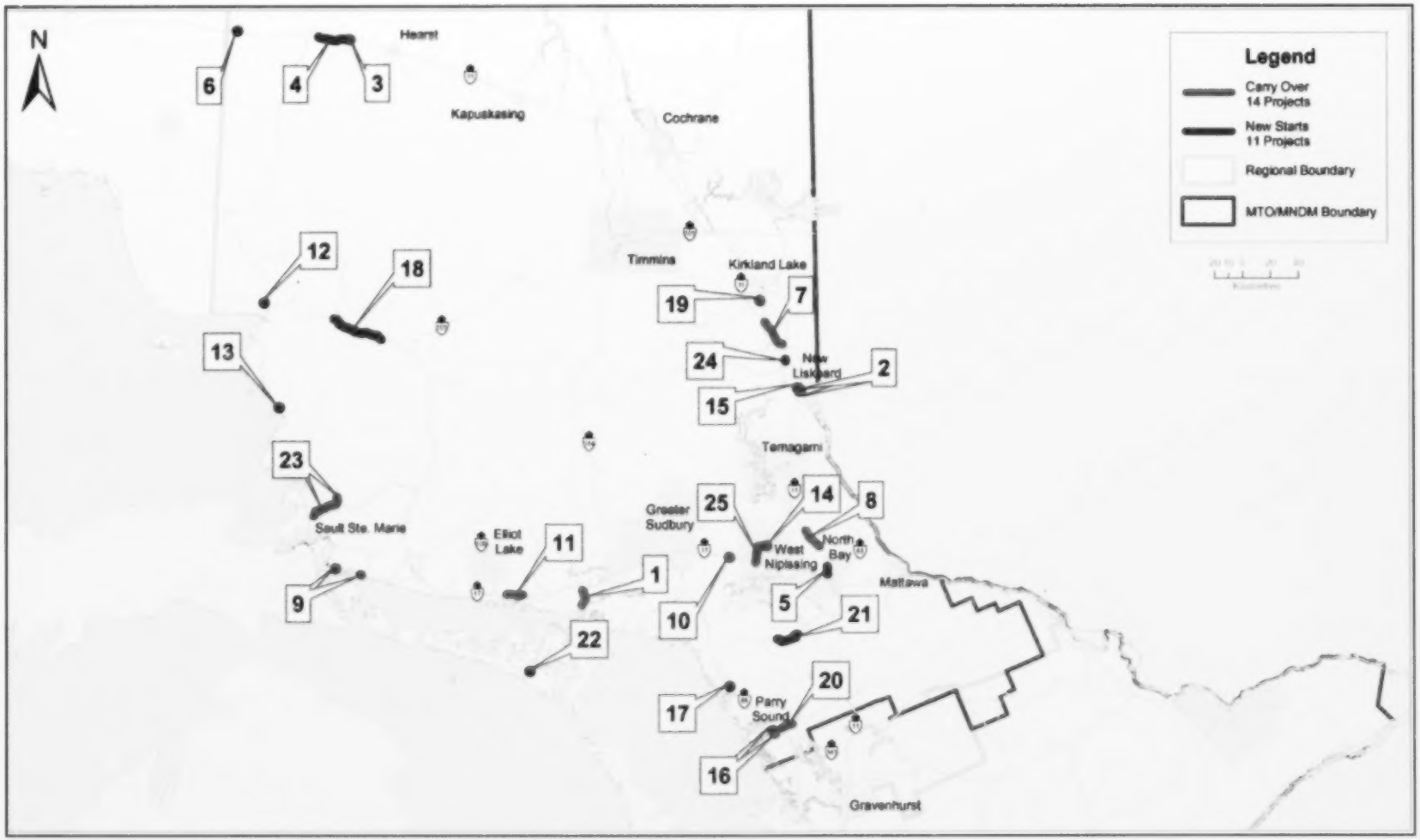
Northern Ontario Safety Initiatives 2010 to 2012

Hwy #	Location	Type of Work
Safety Initiative: Nipissing Hwy 11 north of North Bay, Hwy 17 east and west of North Bay		
11	North of Hwy 562, Thornloe	Southbound passing lane
11	North of Hwy 562, Thornloe	Northbound passing lane
11	North of Hwy 568, Kenogami Lake	Northbound passing lane
11	West of Missinaibi River Bridge	Westbound passing lane
11	Driftwood, Matheson and North Bay	Variable message signs
11	West of Hwy 583, Hearst	Westbound passing lane
11	East of Mattawishkwia River Bridge	Eastbound passing lane
11	South of Hwy 66, south of Kenogami Lake	Northbound passing lane
11	South of east Jct. of Hwy 101, Matheson	Southbound passing lane
11	North of west Jct. of Hwy 101, Matheson	Northbound passing lane
11	South of Hwy 67, south of Iroquois Falls	Southbound passing lane
11	South of Hwys 579 & 652, Cochrane	Southbound passing lane
17	Trout Lake Road, Sault Ste. Marie	Intersection improvements
17	East of Hwy 64, Levac Rd., Verner	Passing lane/intersection improvements
17	West of Hwy 535, Hagar	Westbound passing lane
17	West of Hwy 553, Massey	Westbound passing lane
17	West of Hwy 553, Massey	Eastbound passing lane

NOTE: Project timing is subject to change based on funding, planning, design, environmental approval, property acquisition and construction requirements.

Rehabilitation Projects

Northeastern Ontario Rehabilitation 2008



Rehabilitation Projects

Northeastern Ontario Rehabilitation 2008

Map #	Hwy	Status	Location	Type of Work	Planned/ Expected Completion	Project Length (kms)
1	6	underway	South of Hwy 17, Espanola	Resurfacing/bridge and culvert rehabilitations	2008	14
2	11	underway	Wabi River Bridge & Hwy 65 overpass, New Liskeard	Bridge rehabilitations	2008	n/a
3	11	underway	Kabinakagami River Bridge, west of Hearst	Bridge replacement	2009	n/a
4	11	new	Hwy 663 westerly, Calstock	Resurfacing/culvert replacement	2009	21
5	11	new	Hwy 11/17 northerly, North Bay	Resurfacing	2008	6
6	11	new	Pagwachuan River Bridge, west of Calstock	Bridge replacement	2009	n/a
7	11	underway	Hwy 560 northerly, Englehart	Resurfacing/bridge and culvert replacements	2009	21
8	11	underway	South of Hwy 64 southerly, North Bay	Resurfacing	2008	16
9	17	underway	Hwy 548, Main Street, Lake Huron Drive, Desbarats	Intersection improvements/culvert replacement	2008	1
10	17	new	Veuve River Bridge, east of Hagar	Bridge rehabilitation	2008	n/a
11	17	underway	East of Hwy 108 easterly, Cutler	Resurfacing	2008	12
12	17	new	North of Hwy 101, Wawa	Culvert replacement	2009	n/a
13	17	new	Carp River Bridge, Batchewana	Bridge rehabilitation	2008	n/a
14	64	underway	Sturgeon River Bridge and Hwy 64 from Hwy 575 northerly, west of Nipissing	Bridge replacement/resurfacing	2008	1
15	65	underway	South Wabi River Bridge, New Liskeard	Bridge rehabilitation	2008	n/a
16	69	underway	Oastler Park Dr., (formerly Hwy 69), Parry Sound	Bridge rehabilitation	2008	n/a
17	69	new	Moose Lake culvert, Pointe au Baril Sta.	Culvert rehabilitation	2008	n/a

continued...

NOTE: Project timing is subject to change based on funding, planning, design, environmental approval, property acquisition and construction requirements.

Rehabilitation Projects

Northeastern Ontario Rehabilitation 2008

Map #	Hwy	Status	Location	Type of Work	Planned/ Expected Completion	Project Length (kms)
18	101	new	Hwy 651 easterly, west of Chapleau	Resurfacing	2009	39
19	112	underway	ONR overhead bridge, south of Hwy 66, Kirkland Lake	Bridge replacement/culvert rehabilitation	2008	n/a
20	518	underway	East of Hwy 400 easterly, south of Parry Sound	Reconstruction	2008	9
21	522	new	West of Hwy 524, Arnstein	Resurfacing/culvert replacements	2009	18
22	542	new	Mindemoya Lake Bridge, west of Hwy 551, Mindemoya Lake	Bridge and dam replacement	2009	n/a
23	556 & 532	underway	Hwy 556 from Hwy 532 easterly; Hwy 532 from Hwy 556 northerly, Sault Ste.Marie	Reconstruction and three culvert replacements/ resurfacing	2008	21
24	571	new	Hwy 640 to Hwy 11, Earlton	Reconstruction	2009	1
25	575	underway	Hwy 17 to south of Hwy 64, north of Verner	Resurfacing	2008	19

NOTE: Project timing is subject to change based on funding, planning, design, environmental approval, property acquisition and construction requirements.

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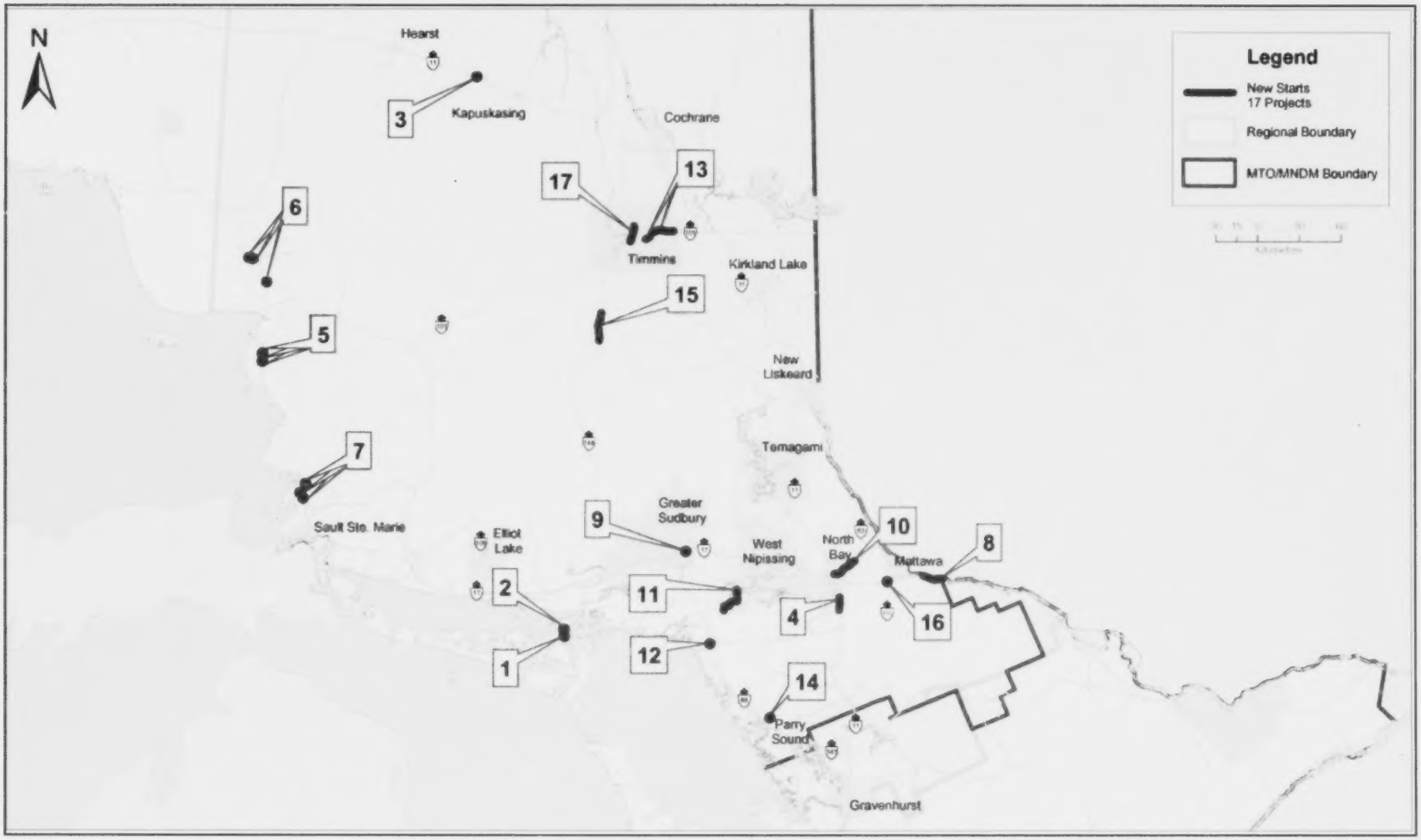
Rehabilitation Projects

Northeastern Ontario Rehabilitation 2009



Rehabilitation Projects

Northeastern Ontario Rehabilitation 2009

Map #	Hwy	Status	Location	Type of Work	Planned/ Expected Completion	Project Length (kms)
1	6	new	Ritchy's Creek culvert, Little Current	Culvert replacement	2009	n/a
2	6	new	CPR swing bridge, Phase 1, Little Current	Bridge rehabilitation	2010	n/a
3	11	new	Opasatika River, west of Val Rita	Bridge replacement	2010	n/a
4	11	new	Hwy 534 to Hwy 654, southbound, Powassan	Resurfacing	2009	9
5	17	new	South of Hwy 101, south of Wawa	Culvert rehabilitations, various locations	2009	n/a
6	17	new	North of Hwy 101, north of Wawa	Culvert rehabilitations, various locations	2009	n/a
7	17	new	North of Hwy 552 northerly, north of Sault Ste. Marie	Culvert rehabilitations, various locations	2009	n/a
8	17	new	East of Hwy 533 easterly, east of Mattawa	Resurfacing	2010	15
9	17	new	Wanapitae River, Wanapitae	Bridge rehabilitation	2009	n/a
10	63	new	North Bay easterly	Resurfacing	2010	19
11	64	new	Hwy 528 northerly, Noelville	Resurfacing	2010	23
12	69	new	Key River Bridge, Britt	Bridge replacement	2010	n/a
13	101	new	East of Hwy 655 easterly, Timmins	Resurfacing	2009	14
14	124	new	Portage Creek culvert, Parry Sound	Culvert replacement	2009	n/a
15	144	new	North of Hwy 661 northerly, Gogama	Resurfacing	2009	21
16	630	new	Amable du Fond River, Kiosk	Bridge replacement	2010	n/a
17	655	new	Hwy 101 northerly, Timmins	Reconstruction/truck layby improvements	2010	11

NOTE: Project timing is subject to change based on funding, planning, design, environmental approval, property acquisition and construction requirements.

Rehabilitation Projects

Northeastern Ontario Rehabilitation 2010 to 2012

Hwy	Location	Type of Work	Project Length (kms)
6	North of Hwy 542, south of Little Current	Resurfacing	23
6	Whitefish River Bridge, south of Espanola	Bridge rehabilitation	n/a
6	CPR swing bridge - Phase 2, Little Current	Bridge rehabilitation	n/a
11	Kendall Creek Bridge, Hearst	Bridge replacement	n/a
11	Blanche River Bridge, Sesekinika	Bridge replacement	n/a
11	Latchford southerly	Reconstruction/culvert rehabilitation	12
11	Hwy 569 northerly, Englehart River	Resurfacing	27
11	Hwy 663 easterly, west of Hearst	Resurfacing	32
11	Hwy 66 northerly, Kenogami Lake	Resurfacing	11
11	Temagami northerly	Resurfacing	20
11	N. Wicklow River Bridge, south of Cochrane	Bridge replacement	n/a
11	Montcalm Creek Bridge, Crow Creek Bridge, west of Opasatika	Bridge replacement	n/a
11	Mattawishkwia River Bridge, Hearst	Bridge replacement	n/a
11B	South Jct. Hwy 11 northerly to Haileybury	Resurfacing	7
11	North of Hwy 64 northerly, Marten River	Resurfacing	8
17	Mattawa westerly	Resurfacing/bridge and culvert rehabilitations	12
17	Catfish Creek, north of Hwy 101, Wawa	Bridge rehabilitation	n/a
17	Algoma Central Railway Overpass, Wawa	Bridge rehabilitation	n/a
17	Thessalon River, Thessalon	Bridge rehabilitation	n/a
17	CPR Overhead, east of Hwy 6, Nairn Centre	Bridge rehabilitation	n/a
17	Hagar to Warren	Resurfacing	8

continued...

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Rehabilitation Projects

Northeastern Ontario Rehabilitation 2010 to 2012

Hwy	Location	Type of Work	Project Length (kms)
66	Hwy 11 westerly, Kenogami Lake	Resurfacing	17
66	East of Hwy 65 easterly, Matachewan	Resurfacing	13
66	Ontario/Quebec boundary to Hwy 624, Larder Lake	Resurfacing	18
101	Nat River Bridge, east of Foleyet	Bridge rehabilitation	n/a
101	West of Hwy 651 westerly, east of Wawa	Resurfacing	28
101	Hwy 11 westerly, Porcupine	Resurfacing	25
101	Hwy 144 westerly, west of Timmins	Resurfacing	17
108	Elliot Lake northerly	Resurfacing	12
124	Farley Creek Culvert, west of Dunchurch	Bridge rehabilitation	n/a
129	North of Hwy 544 northerly, north of Thessalon	Resurfacing	13
129	Rapid River Bridge, north of Hwy 17, north of Thessalon	Bridge replacement	n/a
144	North of Hwy 560 to Hwy 661, Gogama	Culvert rehabilitations	n/a
144	Eastsand River Bridge, Makami River Bridge, south of Gogama	Bridge rehabilitation and bridge replacement	n/a
144	Hwy 17 northerly, Chelmsford	Resurfacing	15
144	Hwy 661 northerly, Gogama	Resurfacing	23
144	Cartier northerly	Resurfacing	25
144	South of Hwy 560, south of Gogama	Resurfacing	25
518	East of Hwy 400 easterly, Orrville	Resurfacing	4
522	Trout Creek westerly	Resurfacing	20
522	Arnstein to Port Loring	Resurfacing	6
529	South of Hwy 645, Britt	Culvert replacements	n/a

continued...

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Rehabilitation Projects

Northeastern Ontario Rehabilitation 2010 to 2012

Hwy	Location	Type of Work	Project Length (kms)
534	Beaudry Creek, east of Hwy 524, west of Powassan	Culvert replacement	n/a
534	Beatty Creek Bridge, south of Hwy 654, Nipissing	Bridge replacement	n/a
535	Veuve River Bridge, Hagar	Bridge replacement	n/a
535	Hagar southerly	Resurfacing	12
539	Herbert Creek Bridge, north of Field	Bridge replacement	n/a
546	Little White River Bridge, north of Elliot Lake	Bridge replacement	n/a
556	Rainbow Creek culvert, Heyden	Culvert replacement	n/a
572	Black River Bridge, north of Hwy 11, south of Matheson	Bridge rehabilitation	n/a
577	Meadow Creek, Iroquois Falls	Bridge replacement	n/a
631	South of Hornepayne	Resurfacing	47
632	Shadow River Bridge, south of Hwy 141, Rosseau	Bridge replacement	n/a
634	North of Hwy 11, Smooth Rock Falls	Culvert replacement, various locations	n/a
652	Brule Creek Bridge, east of Cochrane	Bridge replacement	n/a
655	North of Hwy 101 northerly, Timmins	Resurfacing	10
7045	Harmony River Bridge, north of Sault Ste. Marie	Bridge replacement	n/a

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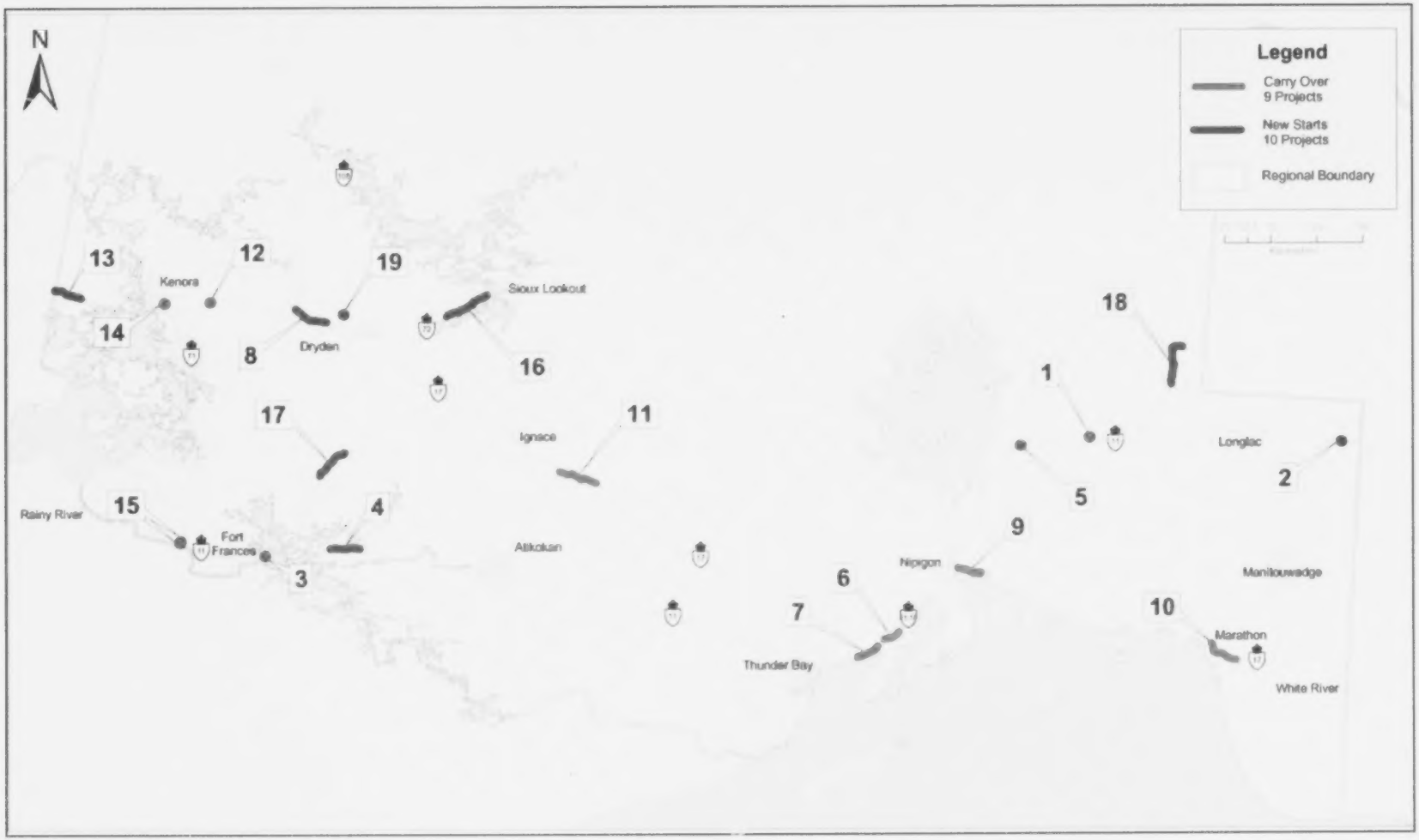
Rehabilitation Projects

Northwestern Ontario Rehabilitation 2008



Rehabilitation Projects

Northwestern Ontario Rehabilitation 2008

Map #	Hwy	Status	Location	Type of Work	Planned/ Expected Completion	Project Length (kms)
1	11	new	Partridge River & Angle Creek, east of Beardmore	Culvert replacements	2008	n/a
2	11	new	North Pagwachuan River Bridge, east of Longlac	Bridge rehabilitation	2008	n/a
3	11	underway	Noden Causeway Phase 1, east of Fort Frances	Bridge rehabilitation	2008	n/a
4	11	new	Hwy 502 easterly, east of Fort Frances	Reconstruction	2009	16
5	11	new	Legault Creek culvert, east of Beardmore	Culvert replacement	2008	n/a
6	11/17	underway	Hwy 587 easterly, Pearl Lake	Reconstruction/passing lane extension	2008	9
7	11/17	underway	West of Hwy 587 easterly, east of Thunder Bay	Reconstruction/truck climbing lane	2008	12
8	17	new	Hwy 105 easterly, Vermilion Bay	Resurfacing	2009	19
9	17	underway	Jct. of Hwy 11/17 easterly, Nipigon	Reconstruction/highway lighting/truck climbing lane	2008	14
10	17	underway	Peninsula Rd., Marathon	Resurfacing	2008	18
11	17	underway	East of Ignace to English River	Resurfacing	2008	21
12	17	underway	Hawk Lake CPR underpass, east of Kenora	Bridge replacement	2008	n/a
13	17	new	Ontario/Manitoba boundary easterly	Resurfacing	2009	16
14	17A	underway	CPR overhead bridge, east of Jct. Hwy 17, Kenora	Bridge rehabilitation	2008	n/a
15	71	underway	Mather Creek Bridges, north of Hwy 11	Bridge rehabilitations	2008	n/a
16	72	new	North of Hwy 17 northerly, south of Sioux Lookout	Resurfacing	2008	25
17	502	new	North of Hwy 11 northerly, east of Fort Frances	Reconstruction	2008	19
18	584	new	North of Geraldton northerly	Reconstruction	2009	27
19	605	new	Wabigoon River Bridge, west of Dryden	Bridge replacement	2009	n/a

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Rehabilitation Projects

Northwestern Ontario Rehabilitation 2009

Rehabilitation Projects

Northwestern Ontario Rehabilitation 2009

Map #	Hwy	Status	Location	Type of Work	Planned/ Expected Completion	Project Length (kms)
1	11	new	Noden Causeway, east of Fort Frances, Phase 2	Bridge rehabilitation	2010	n/a
2	11	new	Atikokan westerly	Reconstruction	2009	15
3	11	new	East of Fort Frances easterly	Reconstruction	2010	21
4	11/17/61	new	Thunder Bay Expressway, Thunder Bay	Resurfacing	2011	11
5	17	new	Hwy 614 easterly, west of Marathon	Resurfacing	2010	20
6	17	new	Upsala easterly	Resurfacing	2010	15
7	71	new	Nestor Falls Bridge, Log River Bridge, Nestor Falls	Bridge rehabilitations	2009	n/a
8	105	new	Wabigoon River, Buller Creek Bridges, west of Dryden	Bridge rehabilitations	2010	n/a
9	105	new	Chukuni River Bridge, north of Ear Falls	Bridge replacement	2010	n/a

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Rehabilitation Projects

Northwestern Ontario Rehabilitation 2010 to 2012

Hwy	Location	Type of Work	Project Length (kms)
11	Sturgeon River westerly, west of Geraldton	Resurfacing	28
11	Lavalee River Bridge, west of Hwy 611, Fort Frances	Bridge rehabilitation	n/a
11	Maki Creek culvert, Hwy 11/17, Nipigon	Culvert replacement	n/a
11	East of Longlac easterly	Resurfacing	26
11	Bear Passage Bridge, east of Fort Frances	Bridge rehabilitation	n/a
11	Noden Causeway, east of Fort Frances, Phase 3	Bridge rehabilitation	n/a
11	Noden Causeway, east of Fort Frances, Phase 4	Bridge rehabilitation	n/a
11/17	West of Hwy 130 westerly, Thunder Bay	Resurfacing	14
11/17	Hwy 628 easterly, Nipigon	Reconstruction	12
11/17	Hwy 587 westerly, Thunder Bay	Resurfacing	8
11/622	Hwy 11 west of Atikokan, including 8 km on Hwy 622	Reconstruction	31
17	Steel River Bridge, east of Terrace Bay	Bridge rehabilitation	n/a
17	South Trout Creek Bridge, west of Hwy 628, Nipigon	Bridge replacement	n/a
17	Black River Bridge, east of Marathon	Bridge replacement	n/a
17	Upsala westerly	Reconstruction	13
17	West of Terrace Bay	Resurfacing	32
17	West of Hwy 631 westerly, Marathon	Resurfacing	27
17	Ignace easterly	Resurfacing	19
17	Eagle River Bridge, west of Dryden	Bridge rehabilitation	n/a
17	Little Wabigoon River Bridge, west of Hwy 603	Bridge rehabilitation	n/a
17	Melgund River Bridge, west of Hwy 603	Bridge rehabilitation	n/a

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Rehabilitation Projects

Northwestern Ontario Rehabilitation 2010 to 2012

Hwy	Location	Type of Work	Project Length (kms)
17	Kenel and Alder culvert, Marathon	Bridge rehabilitation	n/a
17A	Middle Lake, Winnipeg River Bridges, Kenora Bypass	Bridge rehabilitation	n/a
61	Thunder Bay southerly	Resurfacing	15
71	Sturgeon Creek Bridge, north of Hwy 11, south of Caliper Lake	Bridge replacement	n/a
102	West of Thunder Bay	Resurfacing	13
105/125	Red Lake southerly including Hwy 125	Resurfacing	31
502	North of Hwy 11 northerly, east of Fort Frances	Reconstruction	18
585	Bass Creek Bridge, Fraser River Bridge, north of Nipigon	Bridge rehabilitations	n/a
587	Blend Creek Bridge, south of Pass Lake	Bridge rehabilitation	n/a
594	Beaver Creek Bridge, west of Dryden	Bridge replacement	n/a
614	South of Manitouwadge	Reconstruction	25

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Northern Highways Program. ISSN 1913-4568

Published July 2008